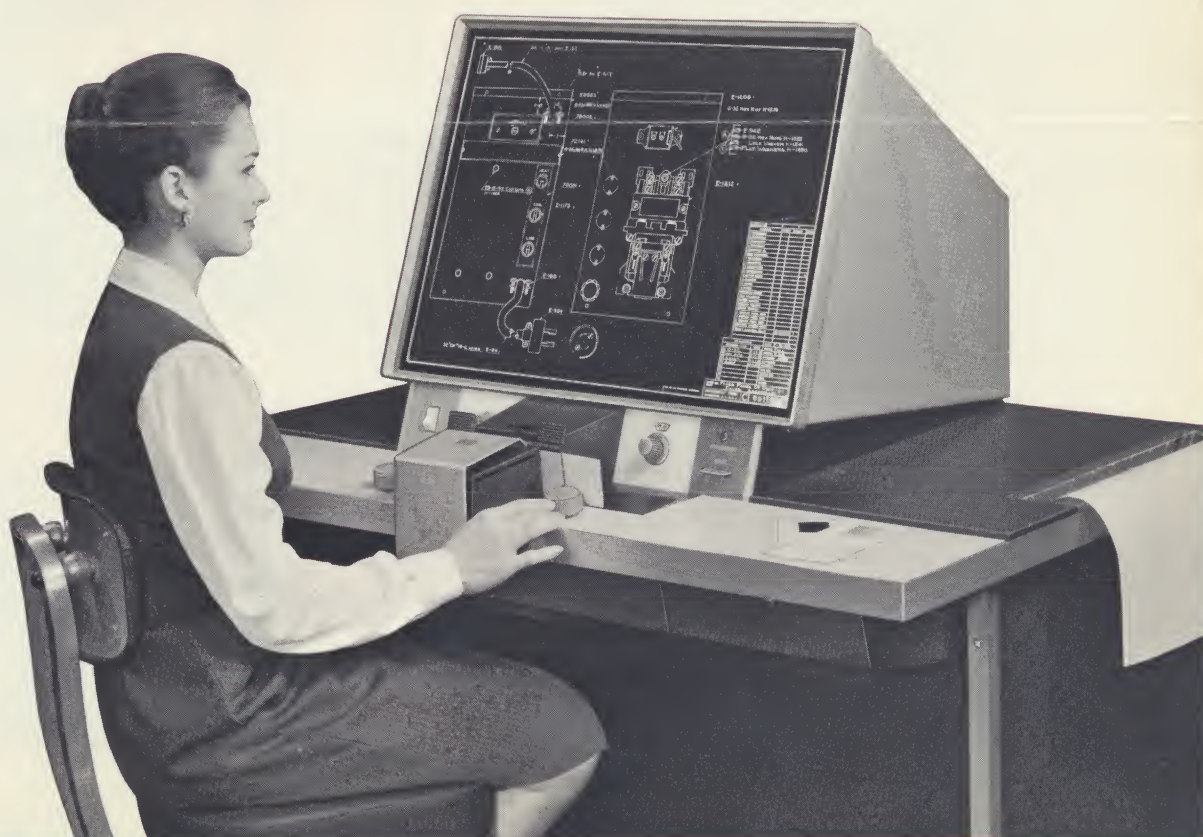
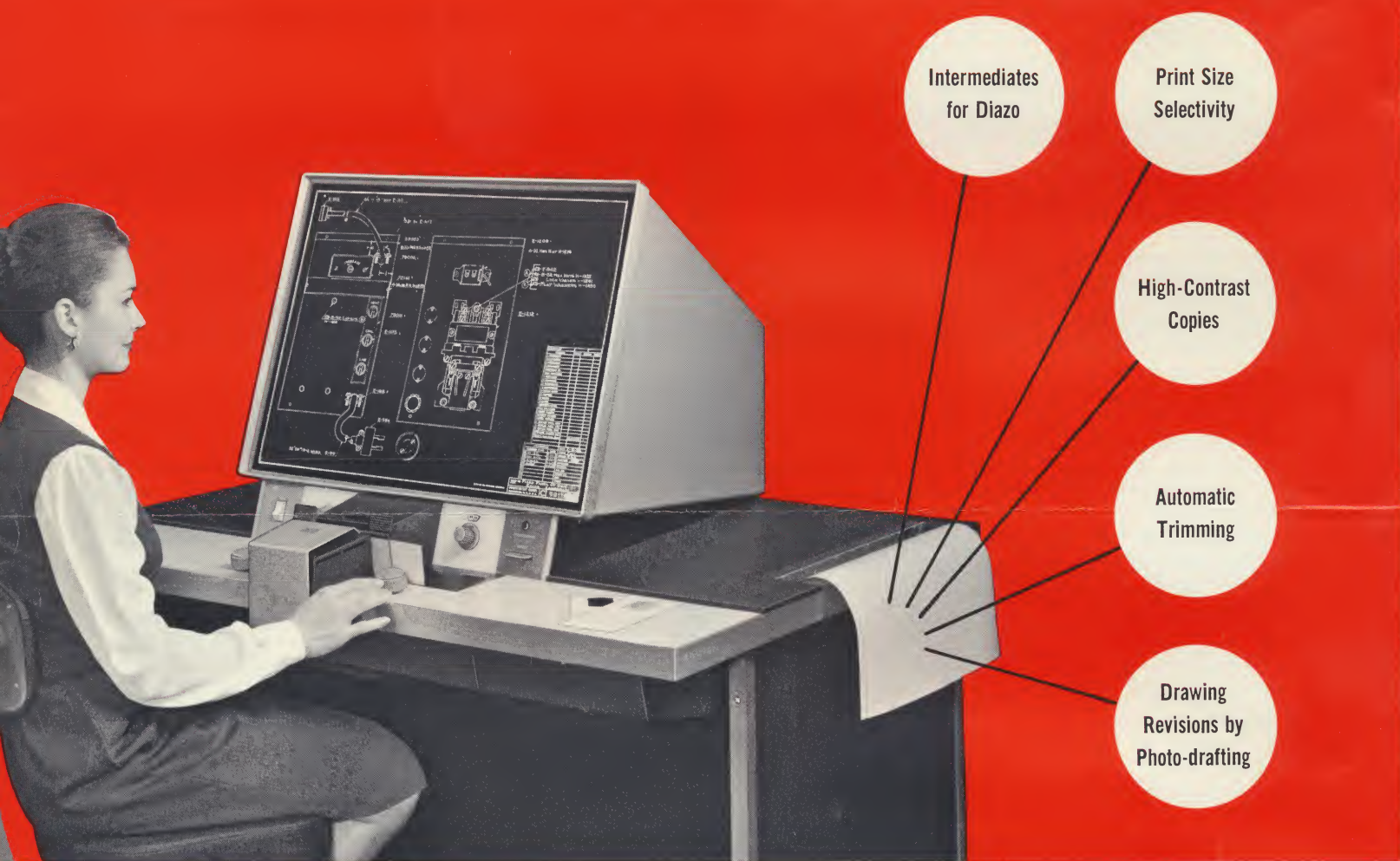


18 • 24 READER-PRINTER

USE-CENTER OF A SUPERIOR MICROFILM SYSTEM

Itek





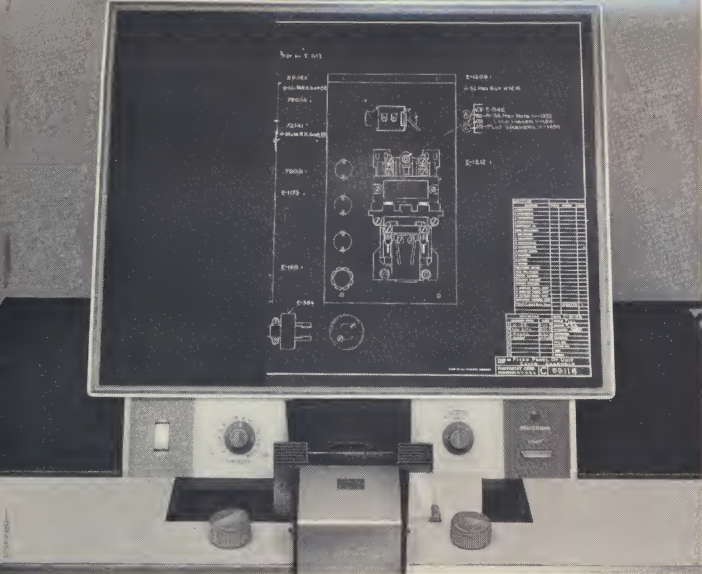
A NEW CONCEPT OF WHAT A READER-PRINTER CAN DO!

The new 18•24 Reader-Printer does so much more, and does it so much better, that it calls for a **NEW LOOK** at your microfilm picture. Here, at last, is a Reader-Printer that is much more than a viewing screen with restricted print-out capabilities. It can serve ably at the very center of your system, no matter whether it is designed for engineering drawings or for records management.

FOR EXAMPLE, the 18•24 Reader-Printer can make "half-size" translucent blow-backs which have the reproduction speed of vellum. You can now take your unwieldy E-size drawings down to convenient C-size prior to diazo reproduction, cutting the cost of ammonia prints as much as 75% and getting more usable production copies.

THE 18•24 READER-PRINTER makes either high-contrast opaque prints or translucent copies which have the diazo reproduction characteristics of vellum.





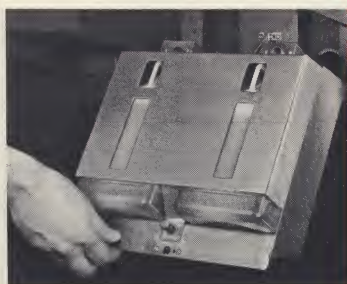
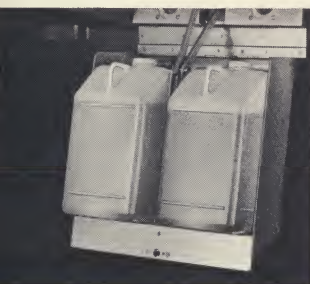
Masking viewing screen to eliminate portion of image from hard copy or to reproduce copies smaller than C-size. Length of image to be reproduced is shown by calibration on lower margin of viewing screen.



Film carrier on Standard Model accommodates aperture cards, acetate jackets and microfiche. Control panel is conveniently arranged and easy to read.



RF Model accommodates 16mm and 35mm roll film, as well as aperture cards, jackets and microfiche.



Unique developer reservoir system feeds processing unit directly from original containers.

THE 18-24 READER-PRINTER

THE 18-24 READER-PRINTER automatically trims its prints at whatever length (24" to 8") you select. You can choose the image area you want, frame on the viewing screen and get an exact copy at the press of the button. You can delete selected areas for drafting in revisions prior to reproduction. You can save hundreds of hours of tracing time each year.

Of vital significance is the BETTER QUALITY of copies made on the 18-24 Reader-Printer. They are sharp, have high contrast, and retain in clear definition the details of your most complicated drawings, even when reproduced at half the size of the originals. They transmit this clear definition to diazos.

Convenience is important to you, too. You can use the 18-24 Reader-Printer in comfort, seated or standing (but not having to get up every couple of minutes to tear off a print). Controls are conveniently grouped, right in front of the operator. Plenty of space is provided on either side of the film carrier, for stacking cards before and after viewing. The ease of loading paper and developer is another nice surprise for you, when you start using the 18-24 Reader-Printer.

Because of the many things that it will do for you, and the fine, convenient way it does them, the 18-24 READER-PRINTER deserves to be at the very center of your microfilm system.

(Complete Technical Specifications on the Back of this Folder)

SPECIFICATIONS

STANDARD 18 • 24 READER-PRINTER

Projection Lens: Highest-quality special 6-element lens.

Light Source: Fan-cooled, 300 W, 125 V lamp.

Film Carrier: Finger-tip control. Accepts either aperture cards or acetate jackets. Control knobs move carrier horizontally or vertically for scanning or adjusting print margins.

Focus Wheel: Permits quick refocus to compensate for minor variations in emulsion position, created by thickness of jacket or reversal of film for production of reverse-reading intermediates. The 18•24 Reader-Printer does not ordinarily require fine focusing prior to use.

Exposure and Illumination Controls: Fixed exposure timing. Illumination intensity may be varied to compensate for variation in film density by means of rheostat controls on instrument panel. Thus the range of reproducible film is broadened and reproduction quality is improved.

Print Length Selector: Length of print is infinitely variable from 8" to 24", the length being set by twisting a control dial. (Width of print is determined by width of roll of paper employed.)

Mask: When prints less than 24" in length are produced, a mask plate screens off unwanted area on both viewing screen and sensitized material. The mask may be set at any position by moving a finger-tip lever on control panel. The viewed image and the projected print are identical in content, calibration at bottom margin of screen showing size of image to be printed.

Viewing Screen: Rear-projection type, with 18" x 24" viewing area. Screen is inclined to permit comfortable viewing from either seated or standing position.

Severing Mechanism: Automatic. Neatly separates print from roll at pre-selected length.

Processing Unit: Fed from disposable containers. No handling of solutions is ever required. Raising hinged reservoir automatically fills processing unit; lowering reservoir returns developer to containers for evaporation-proof storage when Reader-Printer is not in use.

Paper Feed: Automatic. Paper is loaded on desk-high spindle. Access for loading is easily attained by lifting section of table-top.

Code No. 52310

RF MODEL

The RF model incorporates all of the quality features and versatile capabilities of the standard Itek 18•24 Reader-Printer. In addition, a holder and spindles are provided for the optional use of roll film. Shift between roll and unitized film is easily achieved by interchange of film holders.

Just like every other part of the 18•24 Reader-Printer, facilities for roll film are carefully designed for maximum convenience and utility. The angle of the film plane is precisely maintained from spool to spool, as well as in the projection area, in order to eliminate buckling. Transport rollers are of nylon. The rollers and rear glass flat retract during film advance, freeing the moving film from any contact with glass, and thus eliminating danger of scratching or abrading the film. Both spindles are equipped with slip clutches, permitting easy film advance in either direction.

During projection, the closed flats provide uniform optical positioning. Further fine focusing, if required, is provided by the regular focusing ring of the Reader-Printer.

Code No. 52311

OPERATIONAL DATA AND PHYSICAL CHARACTERISTICS

Size of Viewed Image and Print: Variable from 18" x 24" to 11" x 8". Maximum Image Area: 17 $\frac{5}{8}$ " x 24".

Magnification: 14.7X. (Slight variations in magnification available on special order.)

Printing Time: Approximately 30 seconds. During 25 seconds of this time, the viewing screen may be employed for selecting next image.

Type of Paper: Special Negative-Positive Reader-Printer Paper. This is available either in document weight or as translucent stock.

Type of Print Produced: Stabilized high-contrast photocopy. Image may be right-reading or reverse-reading, as desired.

Electrical Requirements: 115 V. 60 cycle, AC only. 5 Amps.

Electrical Cord: 8-ft., 3-wire.

Size: 46" wide x 36" deep x 51 $\frac{1}{2}$ " high.

Weight, Net: 350 lb. (approximately).

Weight, Gross: 520 lb. (approximately).



Itek Business Products, ROCHESTER, N.Y.